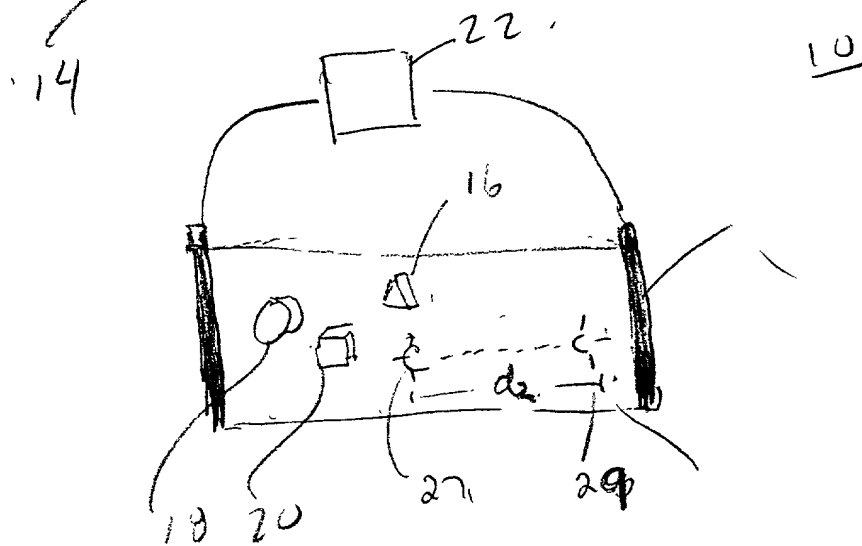
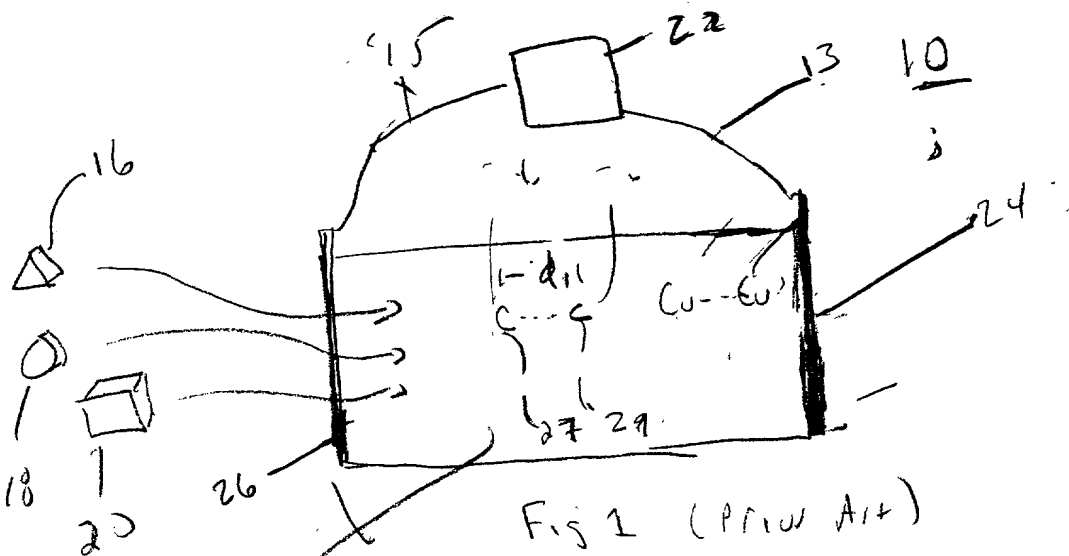
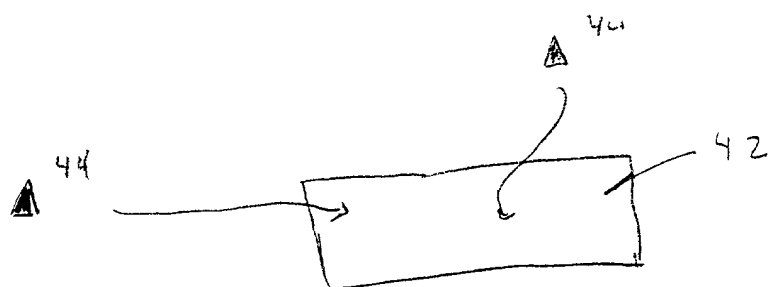


168



F.5 2 (P10R AIR)



F.S 3A (Prison Act)

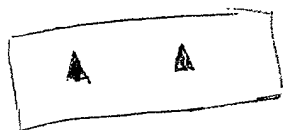


Fig. 33 (200R AIR)



FIG 3C (continued)

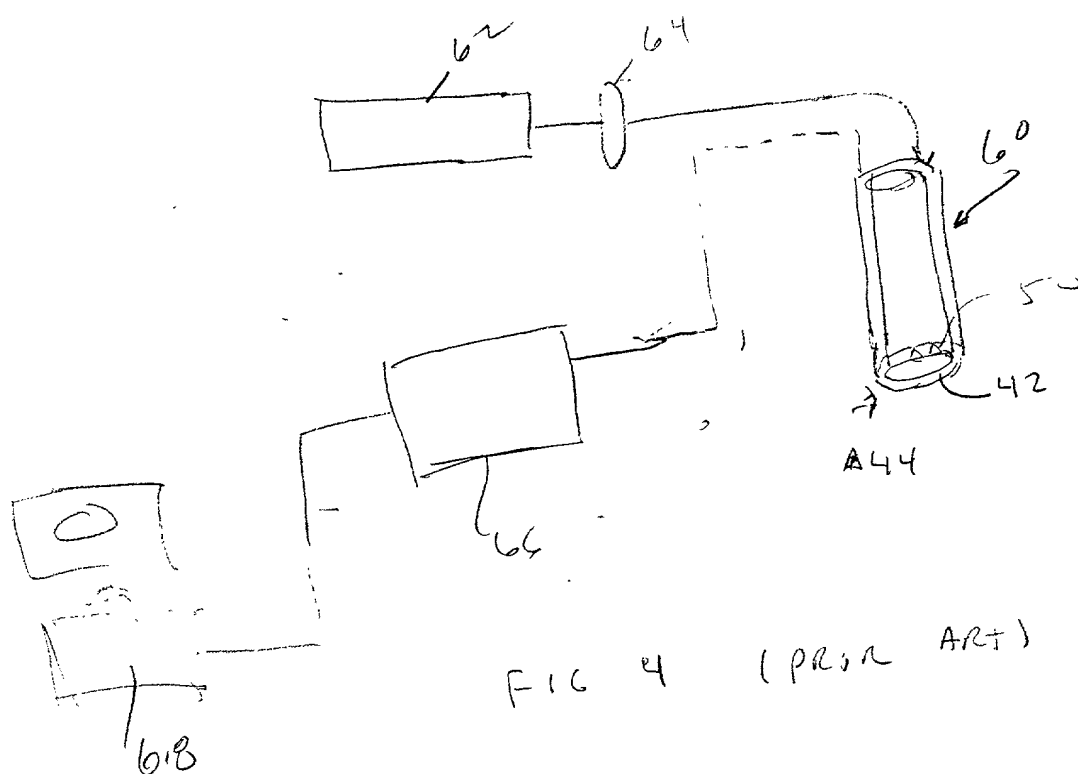


FIG 4 (prior Art)

368

30



TOB T 60-944560 1A

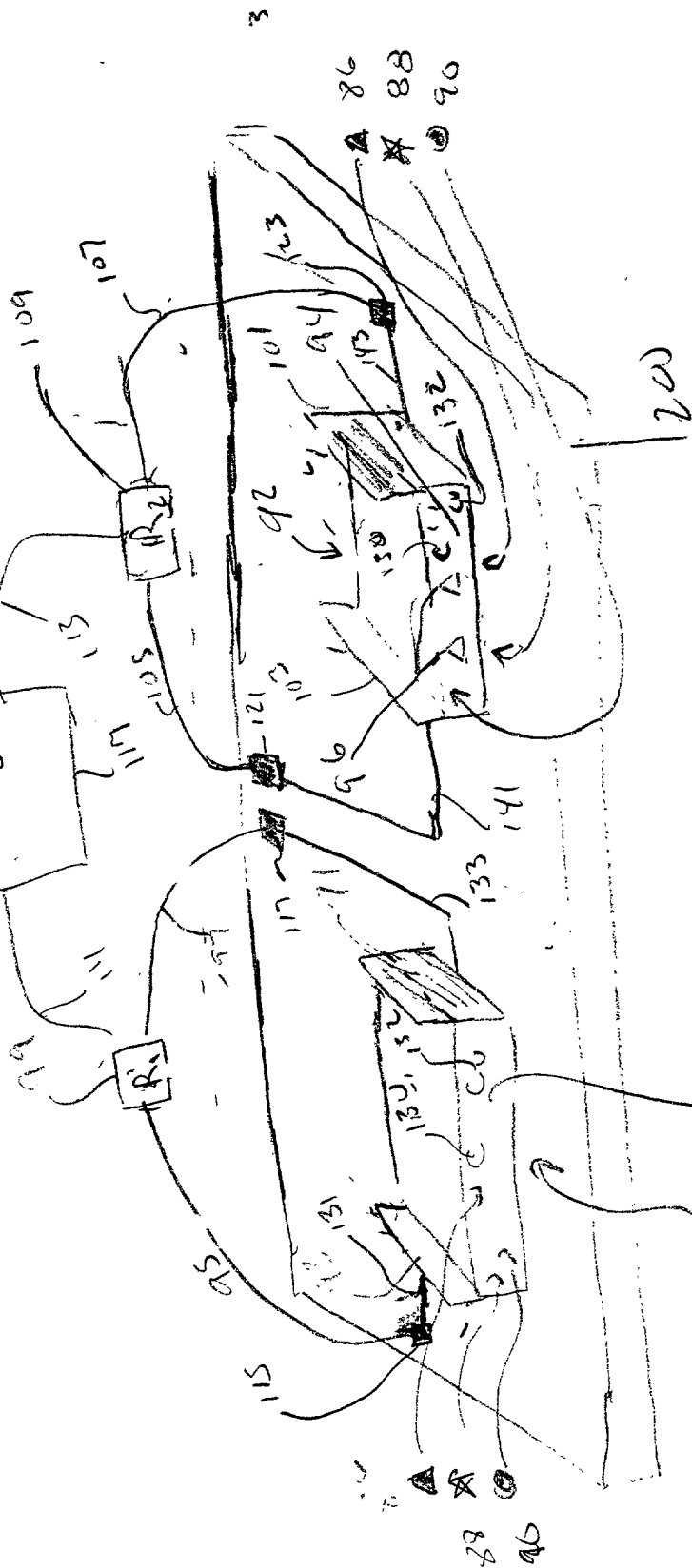


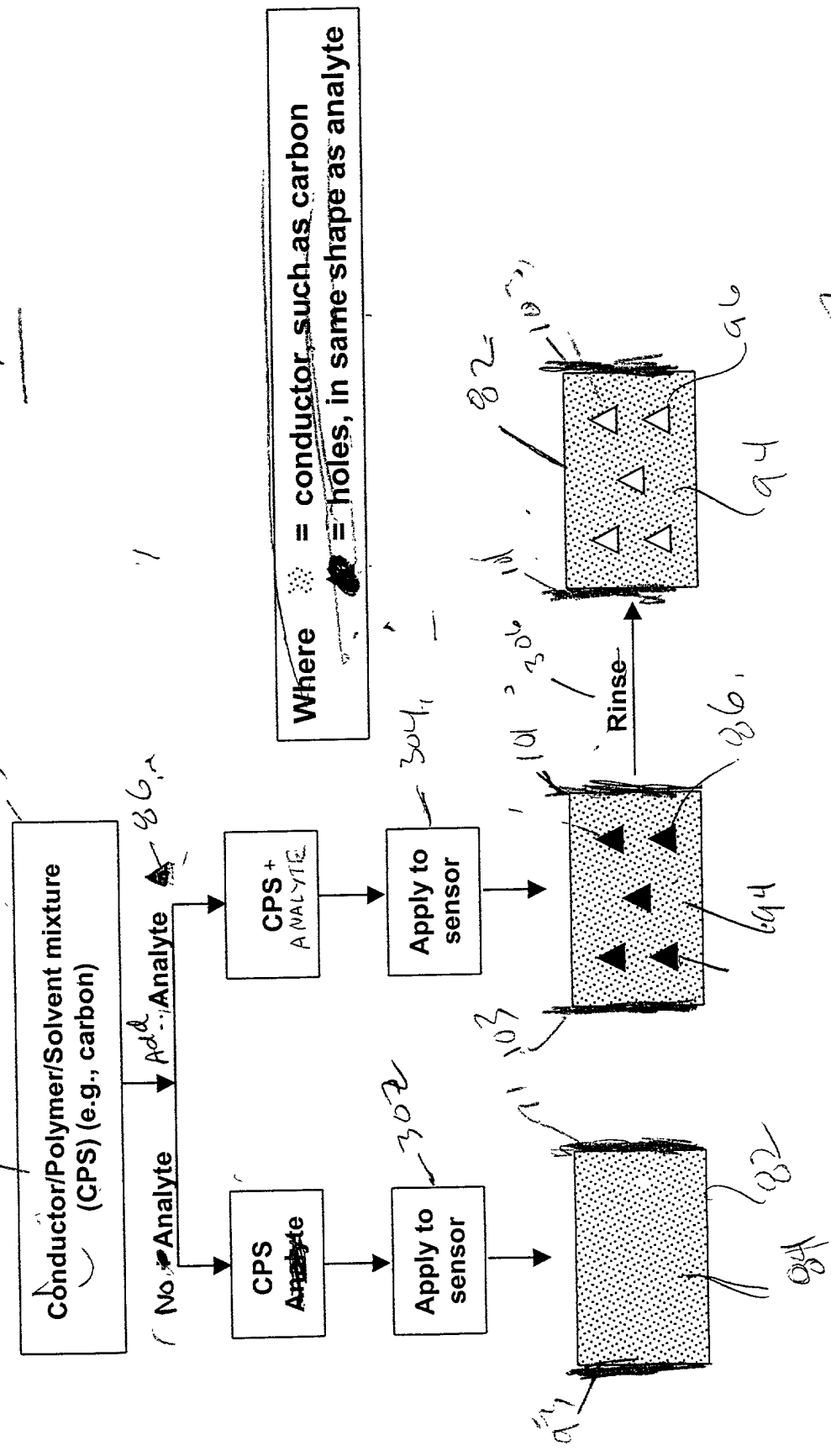
Fig 5

Fig 6

TOP SECRET

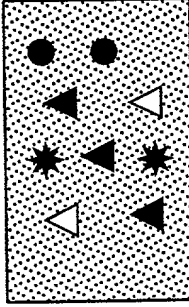
Flowchart for Molecular Recognition Paired Sensors Fabrication

Fig 6

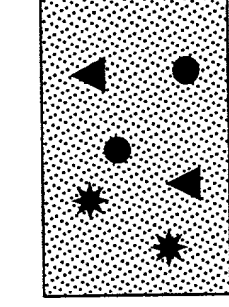


Resistive Detection Exposure of Molecular Recognition Paired Sensors

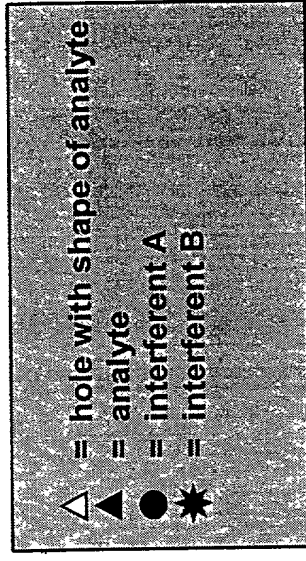
1) Add mixture (gas or liquid) containing analyte plus interferences to resistance detector



Resistance = R1



Resistance = R2

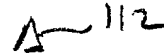


2) Measure R1, R2, R3, R4. At low concentrations of analyte of interest Δ analyte is absorbed into cavities and does not contribute to resistance. Resistance only increases if there are no cavities, and this absorbed chemical leads to resistance increase. See sheet of equations.

3) Calculate R_{Δ} resistance change due to analyte of interest from R1, R2, R3, R4

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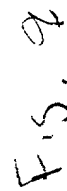
26



F. 9. 20

Variable	Mean	SD	Min	Max	Median	Mode	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	18	65	32	30	0.15	2.10	0.98	Normal
Gender	1.2	0.4	1	2	1	1	0.05	0.10	0.99	Normal
Marital Status	1.5	0.5	1	3	1	1	0.10	0.20	0.99	Normal
Education	12.5	2.0	9	16	12	12	0.05	0.10	0.99	Normal
Income	1500	500	500	3000	1200	1000	0.10	0.20	0.99	Normal
Occupation	1.8	0.6	1	3	1	1	0.05	0.10	0.99	Normal
Health Status	1.2	0.4	1	2	1	1	0.05	0.10	0.99	Normal
Stress Level	2.5	0.8	1	4	2	2	0.10	0.20	0.99	Normal
Life Satisfaction	3.5	1.0	1	5	3	3	0.05	0.10	0.99	Normal
Resilience	2.8	0.9	1	4	2	2	0.10	0.20	0.99	Normal
Emotional Stability	3.2	0.7	1	4	3	3	0.05	0.10	0.99	Normal
Physical Health	3.8	0.6	1	4	3	3	0.05	0.10	0.99	Normal
Mental Health	3.0	0.8	1	4	2	2	0.10	0.20	0.99	Normal
Social Support	2.2	0.7	1	4	2	2	0.10	0.20	0.99	Normal
Life Satisfaction	3.5	1.0	1	5	3	3	0.05	0.10	0.99	Normal
Resilience	2.8	0.9	1	4	2	2	0.10	0.20	0.99	Normal
Emotional Stability	3.2	0.7	1	4	3	3	0.05	0.10	0.99	Normal
Physical Health	3.8	0.6	1	4	3	3	0.05	0.10	0.99	Normal
Mental Health	3.0	0.8	1	4	2	2	0.10	0.20	0.99	Normal
Social Support	2.2	0.7	1	4	2	2	0.10	0.20	0.99	Normal

25



***#**

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J. Williams - 1-18-01 Modified C. E. Dubé 2/19/01

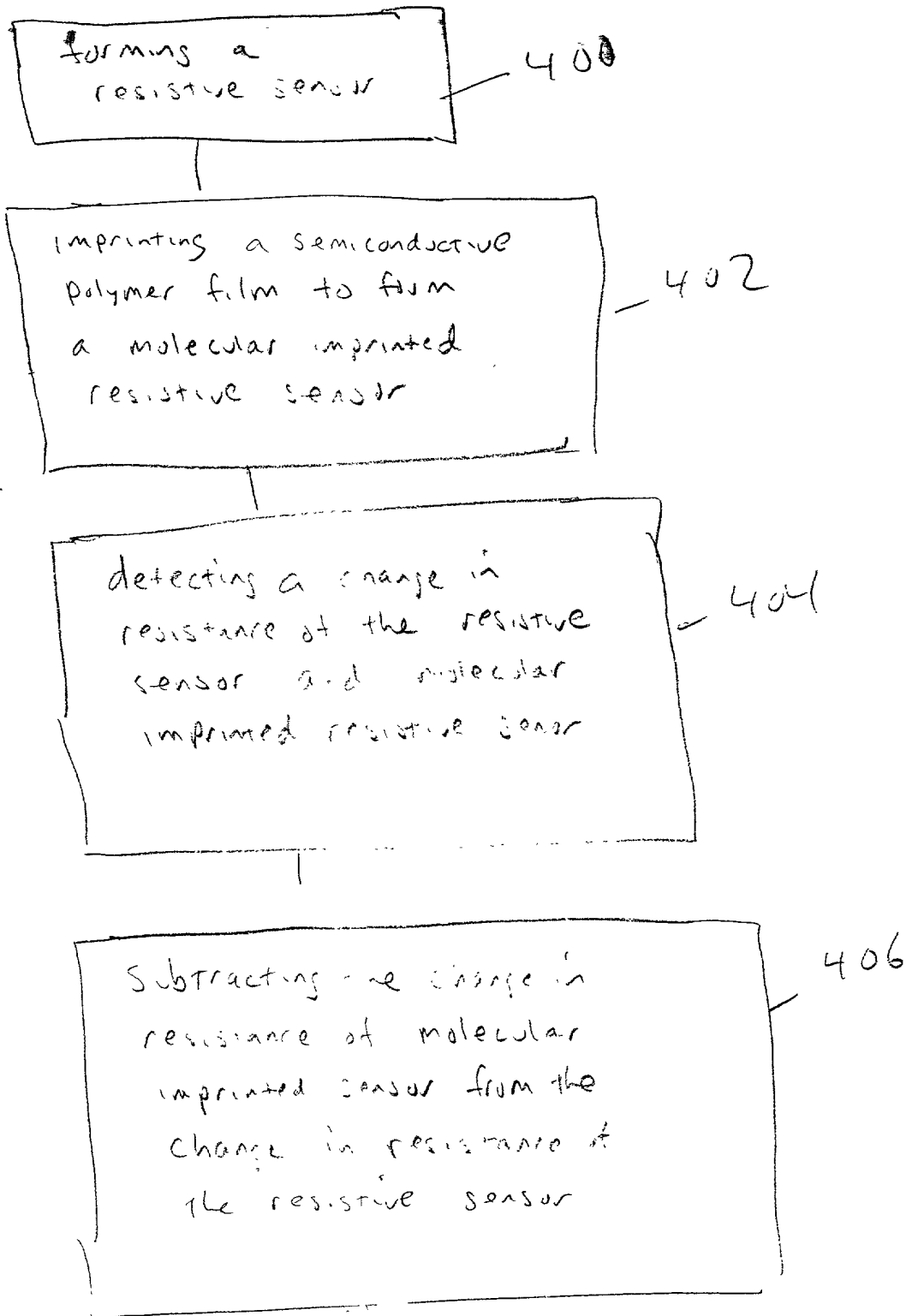


Fig 10